

January 14, 1977

Mr. Nicholas Fabac
2345 South Virginia
Springfield, Missouri

Dear Mr. Fabac:

We have just completed a study of the sewer system that serves your property and the surrounding area. The information obtained from this study shows that the system is more than adequate to carry all the domestic sewage. However, in times of wet weather this system is overloaded due to stormwater entering the sewer through footing drains and possibly some leaking joints.

When footing drains are connected to the sanitary sewer they act as a sub-surface drain. This drain will collect all the rainwater that does not run off and dump it into the sewer line, which will cause overloading of the sewer which was not designed to carry stormwater. This causes surcharging of the lines and manholes and backing up of water in basements.

We have no solution that will guarantee that water will not back up into your basement, but it is our opinion that the following recommendations will relieve most of your problem.

1. That the footing drains be connected to the sump and pumped to the ditch. The point where the footing drain now enters your sewer lateral must be properly sealed.
2. That a plug be installed in the basement drain and only removed when washing the basement floor.

This procedure will certainly lessen the problem you are having, but may not eliminate it completely. It may still be necessary for you to use the valve you have installed in your sewer line to prevent backup of water into your basement.

If we can be of further assistance, or if you have any questions, please advise.

Very truly yours,

Henry M. Cole, P.E.
Sanitary Engineer

HMC:cc

cc: Charles H. Criswell, Surveillance & Enforcement

2345 S. VIRGINIA